



**ANNOUNCEMENT FOR OPEN TESTING**  
**Research Scientist Supervisor II**  
**(Epidemiology/Biostatistics Sciences)**



Final Filing Date: **February 28, 2003**  
Bulletin Release Date: January 31, 2003

LR41 -5651 3HA15-02

California State Government supports equal opportunity to all regardless of race, color, creed, national origin, ancestry, gender, marital status, disability, religious or political affiliation, age, or sexual orientation. It is an objective of the State of California to achieve a drug-free work place. Any applicant for state employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the state, the rules governing civil service, and the special trust placed in public servants.

**WHO SHOULD APPLY:** Persons who meet the minimum qualifications (entrance requirements) as stated on this announcement should apply. This is an open examination. Applications will not be processed on a promotional basis and career credits do not apply.

**HOW TO APPLY:** To learn more about the examination and testing arrangements, contact the testing office shown below. Applications are available and may be filed in person or by mail with:

**DEPARTMENT OF HEALTH SERVICES** (916) 657-1423  
714 P STREET, ROOM 850 TDD (916) 657-3042  
P.O. BOX 942732  
SACRAMENTO, CA 94234-7320

***DO NOT SUBMIT APPLICATIONS TO THE STATE PERSONNEL BOARD***

**CROSS FILING INFORMATION:** If you meet the entrance requirements for this classification and for Research Scientist Supervisor II (Veterinary Sciences), Research Scientist Supervisor II (Social/Behavioral Sciences), Research Scientist Supervisor II (Physical/Engineering Sciences), Research Scientist Supervisor II (Microbiological Sciences), Research Scientist Supervisor II (Food & Drug Sciences), and Research Scientist Supervisor II (Chemical Sciences) scheduled at the same time, you may file for multiple examinations on a single application. You must indicate the class title(s) for each examination you are applying on the application Form STD. 678.

**FINAL FILING DATE:** Applications and responses to the supplemental items must be submitted by February 28, 2003, the final filing date. Applications and/or supplemental responses postmarked, personally delivered, or received via interoffice mail after the final filing deadline will not be accepted.

**SPECIAL TESTING INFORMATION:** If you have a disability that requires accommodation, mark the appropriate box on the application Form STD. 678. You will be contacted to make specific arrangements.

**SALARY RANGES:** \$6738 - \$8149 per month.

**POSITION DESCRIPTION:** Under broad administrative direction, the Research Scientist Supervisor II is responsible for the supervision of Research Scientists I, II, III and IV and Research Scientist Supervisors I. Incumbents serve as second-level supervisors responsible for a moderate group of scientific and nonscientific staff composed of supervisors and nonsupervisors, typically totaling nine to fifteen professional State and/or contract employees. Programs with high visibility requiring unique scientific expertise in which the incumbent has independent science-based decision-making responsibilities on a statewide level may supervise fewer personnel. Incumbents provide administrative guidance and leadership in planning, organizing, and directing difficult and complex major original scientific research studies or public health investigations that have broad statewide scientific scope, high sensitivity, and policy impact; make original, independent decisions on complex scientific problems using scientific theories and principles on association and risk and then develop hypothesis on causes and also test these hypotheses; conceive, plan, and conduct scientific research work of large scope on a statewide or national basis, that has extreme difficulty and complexity in unexplored areas of public health. The incumbent's work involves high levels of uncertainty and a balancing of conflicting interest of extreme intensity. The results of their applied research are used in public health prevention and control programs. Incumbents use their scientific expertise to plan, direct, and execute major professional public health research studies. Provide evaluations and scientific recommendations made by the incumbent as those of a scientific expert; and direct the analysis of all relevant, available, scientific, technical, medical, and other information from sources within and outside the organization, and direct the integration of this information into the decision-making process. Incumbents direct the development of proposed scientific research studies to evaluate new public health strategies if relevant information is not available; consult with department management and others in areas appropriate to their qualifications and participate in the development of public health policy; provide scientific technical expertise in a science area appropriate to their educational

qualifications and provide consultation to departmental management and others as requested; direct the publication or presentation of scientific research or investigations conducted on a statewide basis to state public health experts and the community; and perform other related work.

Positions exist with the Department of Health Services (Sacramento, Los Angeles, Alameda, and Contra Costa)

**EPIDEMIOLOGY/BIOSTATISTICS:** Incumbents in this parenthetical are distinguished from other Research Scientists by being required to design, conduct, analyze, and draw conclusions from epidemiologic or biostatistical investigations. These investigations apply statistical and survey techniques and biologic theory for the purpose of describing and understanding the distribution and determinants of disease, health, and genetic conditions in the population and the response of the health care system. Subspecialties focus on infectious agents (general communicable diseases, zoonotic diseases, food borne diseases, vector borne diseases); nutrition and lifestyle factors; social or environmental factors; health promotion; chemical and physical agents in the environment; chronic diseases and injuries; detection, distribution, and treatment of genetic disorders; other genetic influences on disease; and the efficacy of public health, clinical medical, and other interventions in modifying these influences. Scientific research, disease surveillance, and epidemiologic-based investigations are conducted to identify the source of human illness or injury, to prevent or control its occurrence, and to measure the effectiveness of those controls. Scientific research, disease surveillance, and epidemiologic investigations could evaluate the entire ecology of illness occurrence at the molecular or genetic level using molecular epidemiology. .

**REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION:** It is your responsibility to make sure you meet the education and/or experience requirements stated on this announcement by February 28, 2003, the final filing date. Your signature on your application indicates that you have read, understood, and possess the basic qualifications required.

NOTE: Applications/resumes **MUST** include "to" and "from" dates (month/day/year), time base, civil service class title(s), and range (if applicable) for all work experience. College course information **MUST** include: title, number of semester or quarter units, name of institution, completion dates, and degree (if applicable).  
**Applications/resumes received without this information will be rejected.**

**MINIMUM QUALIFICATIONS:** Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as "Either I," "or II," "or III," etc.

Either I

Experience: Three years of experience in the California state service performing scientific research duties comparable to those of a Research Scientist Supervisor I in the stated specialty or a closely related field.

And

Education: Possession of a doctoral degree in the stated specialty or a closely related field or a degree of Doctor of Medicine.

Or II

Experience: Two years of experience in the California state service performing scientific research duties comparable to those of a Research Scientist IV in the stated specialty or in a closely related field. (Possession of a recognized professional Board certification in the stated specialty or possession of a master's degree in Public Health or preventive medicine may be substituted for one year of the required experience.)

And

Education: Possession of a doctoral degree in the stated specialty or a closely related field or a degree of Doctor of Medicine.

Or III

Experience: Five years of progressively responsible research experience in the stated specialty or a closely related field. This experience must have included major responsibility for the design, conduct, and analysis of a large or highly complex and difficult research, and experience in the development, planning, and operation of multidisciplinary, complex, and difficult research program involving coordination of several groups of disciplines, recruitment and training of personnel, budgeting and accounting of funds, and preparation of major reports and scientific publications. At least three years of this experience must be at a level of responsibility equivalent to that of a Research Scientist Supervisor I.

And

Education: Possession of a doctoral degree in the stated specialty or in a closely related field.

Or IV

Experience: Five years of progressively responsible professional research experience in a field of medical specialization relevant to the stated specialty or a closely related field. This experience must have included major responsibility for the design, conduct, and analysis of complex research, or responsibility for the administration and coordination of large, complex multidisciplinary, or multi-institutional research programs. Two years of approved residency in a medical specialty relevant to the class title may be substituted for one year of the required experience. At least three years of this experience must be at a level of responsibility equivalent to that of a Research Scientist Supervisor I.

And

Education: Possession of the degree of Doctor of Medicine.

Education: The required degree must have been obtained from a recognized U.S. university or from a foreign university approved by the Bureau of Private Postsecondary and Vocational Education under the provision of California Education Code Chapter 3, Part 59, Division 10.

**EXAMINATION INFORMATION:** The examination will consist of a Supplemental Application that is weighted 100%. Applicants are required to respond to the following six supplemental items. These supplemental items are designed to identify job achievement in specific areas that demonstrates ability to successfully perform at the Research Scientist Supervisor II level. Responses to the supplemental items will be assessed based on predetermined job-related rating criteria. In appraising the relative qualifications of candidates, consideration will be given to the extent and type of pertinent experience and education over and above that required under the minimum qualifications.

**SUPPLEMENTAL APPLICATION ITEMS:** Each applicant for this examination **must** complete and submit his/her responses to all six supplemental items that follow. Supplemental responses and your application **must** be postmarked, personally delivered, or received via interoffice by **February 28, 2003**, the final filing date. Applications received without responses to the supplemental items will be rejected.

**INSTRUCTIONS:** When responding to the supplemental items, please follow these guidelines:

- Your responses must be typewritten or generated by word processing on 8½" X 11" paper.
- Your responses must be limited to one page per item.
- Identify each page with your full name.
- Make sure your responses are complete, specific, clear, and concise.
- Answer each numbered item separately indicating the corresponding item number for each response. You may include multiple responses on a single page.
- Include place of employment, pertinent dates, duties performed, etc., when responding to items.
- In the event that one particular job contained responsibilities applicable to several items, separate the different functions of the job in order to respond to all items completely.

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#### SUPPLEMENTAL ITEMS

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1. Describe your supervisory or scientific experience in providing leadership and guidance to scientific staff. The following details should be addressed in your response.
  - ◆ Types of scientific research or investigations
  - ◆ Your role and responsibilities in providing supervision or scientific leadership and guidance
  - ◆ Description of scientific research or investigations planned
  - ◆ Your role in training and serving as advisor or consultant to other lower level scientists
2. Describe your experience in acting as a scientific subject matter expert.
  - ◆ Types of public health issues analyzed
  - ◆ Frequency of scientific consultation
  - ◆ Independence of your actions
  - ◆ Public health impact of your recommendations
  - ◆ Measurements of success
3. Describe your experience in presenting scientific research or investigations or other public health information to both scientific and lay public audiences. The following details should be addressed.
  - ◆ Purpose of scientific information
  - ◆ Scientific data sources used
  - ◆ Independence of action
  - ◆ Audience size and composition for presentation (scientific peers, government agencies, and the public)
  - ◆ Measurements of success
4. Describe your experience in publishing scientific research or investigations or other public health information in scientific journals or lay public publications. The following details should be addressed.
  - ◆ Purpose of scientific information
  - ◆ Scientific data sources used
  - ◆ Independence of action
  - ◆ Frequency of scientific publications (once, twice)
  - ◆ Measurements of success
5. Describe your experience performing as a team leader or serving as a liaison while working with private, state, local, or federal agencies. The following details should be addressed in your response:
  - ◆ Description of public health research or scientific investigation workload

- ◆ Your role and responsibilities
- ◆ Number of participants
- ◆ Scientific knowledge level of team or liaison contacts
- ◆ Scientific solutions that you developed or coordinated

6. Describe your academic professional education that is relevant to the Research Scientist classification (Your Curriculum Vitae must be attached to the supplemental items.):
- ◆ Identify any additional education beyond the doctoral level, such as master's in preventive medicine or public health.
  - ◆ For doctoral level academic education, please identify your area of academic education and the title of your thesis. Describe the research problem you evaluated and the conclusions of your research.
  - ◆ For doctoral level professional education, please identify residency training or other professional training programs that you completed and board or other certifications you possess.

**ELIGIBLE LIST INFORMATION:** In order to obtain a position on the eligible list, a minimum rating of 70 percent must be attained. A departmental open list will be established for use by the department(s) listed on this announcement. The list will expire 24 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.

**VETERANS PREFERENCE:** Veterans' preference credits will not be granted in this examination since it does not qualify as an entrance examination.

### **GENERAL INFORMATION**

**Applications** are available at the State Personnel Board office, through the Internet at <http://www.spb.ca.gov>, at local offices of the Employment Development Department, and at the Department noted on this announcement.

**If you meet the requirements** stated on this announcement, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. All successful candidates will be ranked according to their final scores.

**The Department of Health Services** reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service law and rules and all competitors will be notified.

**Eligible Lists:** Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) service-wide promotional, 5) departmental open, and 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in from one to four years unless otherwise stated on this bulletin.

**General Qualifications:** In addition to the scope defined on this announcement, candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required.

**Veterans Preference:** California law limits granting of veterans preference credits to entrance examinations. Directions for applying for veterans' preference credits are provided on the Veterans Preference Application form, which is available from the State Personnel Board or the department(s) shown on this announcement.

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device.

The California Relay (Telephone) Service for the Deaf or Hearing Impaired:

MCI From TDD: 1-800-735-2929      MCI From Voice Telephone: 1-800-735-2922  
Sprint From TDD: 1-888-877-5378      Sprint From Voice Telephone: 1-888-877-5379